

INTERNATIONAL SEARCH REPORT

PCT/IB 03/06138

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/135 G11B7/085 G11B7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95/02243 A (DIGITAL EQUIPMENT CORP) 19 January 1995 (1995-01-19) the whole document ---	1-11
A	US 4 688 201 A (TOWNER DAVID K ET AL) 18 August 1987 (1987-08-18) the whole document ---	1-11
A	US 5 920 140 A (NAKAGISHI TOSHIO ET AL) 6 July 1999 (1999-07-06) the whole document ---	1-11
A	US 5 541 908 A (HSU SUNNY K ET AL) 30 July 1996 (1996-07-30) the whole document --- -/--	1-11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

10 May 2004

Date of mailing of the international search report

03/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kyranos, E

INTERNATIONAL SEARCH REPORT

CT/IB 03/06138

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 273 071 A (IBM DEUTSCHLAND ; IBM (US)) 6 July 1988 (1988-07-06) the whole document ----	1-11
A	US 5 153 870 A (GODFREY BEN ET AL) 6 October 1992 (1992-10-06) the whole document -----	1-11

INTERNATIONAL SEARCH REPORT

PCT/IB 03/06138

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9502243	A	19-01-1995	EP	0691026 A1	10-01-1996
			WO	9502243 A1	19-01-1995
US 4688201	A	18-08-1987	DE	3661662 D1	09-02-1989
			EP	0188276 A1	23-07-1986
			JP	61140428 U	30-08-1986
US 5920140	A	06-07-1999	JP	11142775 A	28-05-1999
			JP	11072741 A	16-03-1999
US 5541908	A	30-07-1996	NONE		
EP 0273071	A	06-07-1988	EP	0273071 A1	06-07-1988
			DE	3681178 D1	02-10-1991
			JP	1737240 C	26-02-1993
			JP	3078706 B	16-12-1991
			JP	63168886 A	12-07-1988
			US	4794586 A	27-12-1988
US 5153870	A	06-10-1992	NONE		